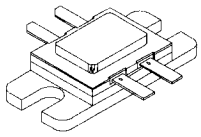
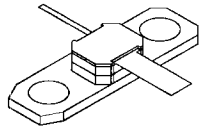
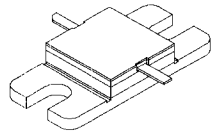
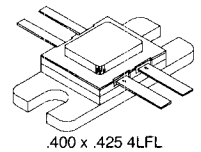
UHF PULSED TRANSISTORS

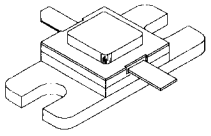
SGS-THOMSON pulsed transistors are characterized for a variety of pulse widths in specific UHF frequency bands. All devices have internal impedance matching and are housed in hermetic packages. The long-term reliability provided by our proven refractory-gold metallization ensures maximum system availability.

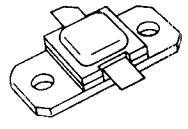

.400 x .500 4LFL
(M102)

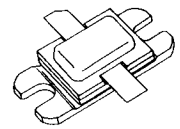

.250 SQ. 2LFL
(M105)

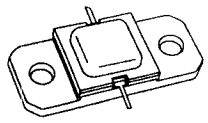

.400 x .400 2LFL
(M106)

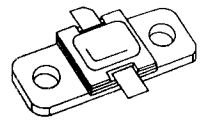

.400 x .425 4LFL
(M119)


.400 SQ. 2LFL
(M138)


.400 x .400 2LFL
(S036)


.400 x .500 2LFL
(S038)


.400 x .400 2NLFL
(S042)


.310 x .310 2LFL
(S064)

400-950 MHz CLASS C, COMMON BASE, PULSED, UHF RADAR APPLICATIONS

PART NO.	FREQ. (MHz)	P_{OUT} MIN (W)	P_{IN} (W)	GAIN MIN (dB)	η_C MIN (%)	V_{CC} (V)	$R_{TH(j-c)}$ MAX (°C/W)	PULSE WIDTH (μSEC)	DUTY CYCLE (%)	PACKAGE STYLE
SD1511-08*	425	10	1.2	9.2	50	28	3.0	CW	CW	M105
SD1474*	425	48	10	6.8	50	28	2.0	CW	CW	M138
SD1563	400-500	300	33	9.6	50	40	0.20	250	10	M106
SD1564*	400-500	400	80	7.0	50	40	0.15	60	2	M119
SD1565	400-500	500	54	9.7	50	40	0.15	250	10	M102
AM0608-020	600-750	20	2.5	9.0	40	35	1.5	10	1	S064
AM0608-070	600-750	70	13	7.3	35	50	0.60	10	1	S064
AM0608-200	600-750	220	30	8.7	40	50	0.20	10	1	S042
AM0608-450	600-750	445	90	6.9	40	50	0.13	10	1	S038
AM0710-300	750-950	300	40	8.8	40	50	0.22	10	10	S036

* Common Emitter